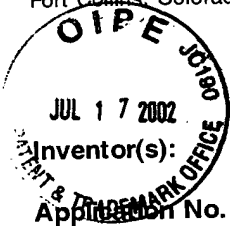


HEWLETT-PACKARD COMPANY
Intellectual Property Administration
P. O. Box 272400
Fort Collins, Colorado 80527-2400

PATENT APPLICATION

ATTORNEY DOCKET NO. 10015588-1

2841
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7.24.02



IN THE
UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor(s): Jeffrey L. Deeney

Application No.: 09/992,864

Confirmation No.:

Examiner:

Group Art Unit:

Filing Date: 11/16/01

Title: METHOD AND APPARATUS FOR SUPPORTING CIRCUIT COMPONENT HAVING SOLDER COLUMN ARRAY INTERCONNECTS USING INTERPOSED SUPPORT SHIMS

COMMISSIONER FOR PATENTS
Washington, D.C. 20231

SUPPLEMENTAL
INFORMATION DISCLOSURE STATEMENT

Sir:

This Information Disclosure Statement is submitted:

- (X) under 37 CFR 1.97(b), or
(Within three months of filing national application; or date of entry of national application; or before mailing date of first office action on the merits; whichever occurs last)
- () under 37 CFR 1.97 (c) together with either a:
() Statement under 37 CFR 1.97(e), or
() a \$180.00 fee under 37 CFR 1.17(p), or
(After the CFR 1.97 (b) time period, but before final action or notice of allowance, whichever occurs first)
- () under 37 CFR 1.97 (d) together with a:
() Statement under 37 CFR 1.97(e), and
() a petition under 37 CFR 1.97(d)(2), and
() a \$180.00 petition fee set forth in 37 CFR 1.17(p).
(Filed after final action or notice of allowance, whichever occurs first, but before payment of the issue fee)

Please charge to Deposit Account **08-2025** the sum of \$0.00. At any time during the pendency of this application, please charge any fees required or credit any overpayment to Deposit Account **08-2025** pursuant to 37 CFR 1.25.

(X) Applicant(s) submit herewith Form PTO 1449 - Information Disclosure Citation together with copies, of patents, publications or other information of which applicant(s) are aware, which applicant(s) believe(s) may be material to the examination of this application and for which there may be a duty to disclose in accordance with 37 CFR 1.56.

() A concise explanation of the relevance of foreign language patents, foreign language publications and other foreign language information listed on PTO Form 1449, as presently understood by the individuals(s) designated in 37 CFR 1.56 (c) most knowledgeable about the content is given on the attached sheet, or where a foreign language patent is cited in a search report or other action by a foreign patent office in a counterpart foreign application, an English language version of the search report or action which indicates the degree of relevance found by the foreign office is listed on form PTO 1449 and is enclosed herewith.

It is requested that the information disclosed herein be made of record in this application.

(X) I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, Washington, D.C. 20231. Date of Deposit: 7-1-02

OR

() I hereby certify that this paper is being transmitted to the Patent and Trademark Office facsimile number _____ on _____

Number of pages:

Typed Name: Jennifer Yap

Signature: Jennifer Yap

Respectfully submitted,

Jeffrey L. Deeney

By R. A. Fuller III

Roland A. Fuller III

Attorney/Agent for Applicant(s)

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Date: 7-1-02

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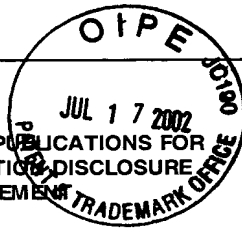
PATENT APPLICATION

Sheet 1 of 1

FORM PTO-1449

LIST OF PATENTS AND PUBLICATIONS FOR
APPLICANT'S INFORMATION DISCLOSURE
STATEMENT

(Use several sheets if necessary)



ATTY. DOCKET NO.

10015588-1

APPLICATION NO.

09/992,864

CONFIRMATION NO.

APPLICANT

Jeffrey L. Deeney

FILING DATE

11/16/01

GROUP

REFERENCE DESIGNATION

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	PUBLICATION DATE	NAME	Pages, Columns, Lines Where Relevant Passages or Figures Appear
	1A	4,545,610	10/08/1985	Lakritz et al.	
	1B	5,222,014	06/22/1993	Paul T. Lin	
	1C	5,541,450	07/30/1996	Jones et al.	
	1D	5,805,427	09/08/1998	Paul R. Hoffman	
	1E				
	1F				
	1G				
	1H				
	1I				
	1J				
	1K				

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	PUBLICATION DATE	NAME OF PATENTEE OR APPLICANT	Pages/Columns/Lines Where Relevant Passages/Figures Appear	Check if Translation attached
	1L					
	1M					
	1N					
	1O					
	1P					

OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)

	1Q	
	1R	
	1S	

EXAMINER

DATE CONSIDERED